Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

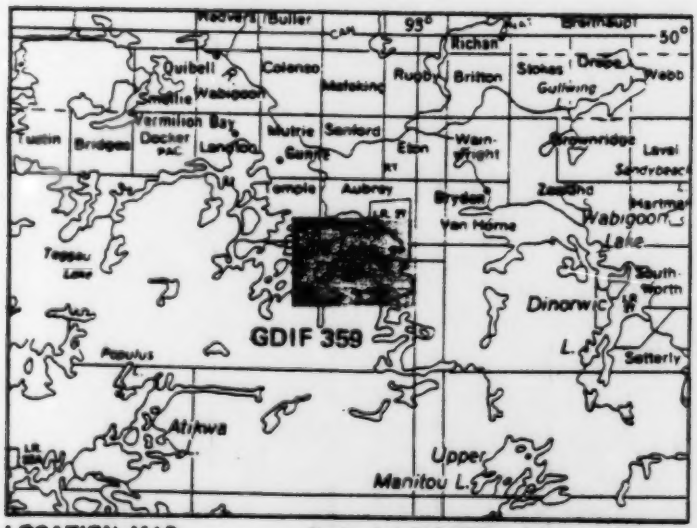
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 359

BUCHAN BAY AREA

DISTRICT OF KENORA

Compiled by the staff of
the Resident Geologist's Office
Kenora



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

Mining Claim Map Number
Buchan Bay Area, G2573 (M1288)
Temple Township, M2047
Aubrey Township, M1944

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1987: Buchan Bay Area, District of Kenora; Ontario Geological Survey, Geological Data Inventory Folio 359; compiled by the staff of the Resident Geologist's Office, Kenora, 43 pages and 4 maps

Original Compilation by: G. Vogg

Date	Page Revised	Revised by

Date	Page Revised	Revised by

Buchan Bay

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ACCOMPANYING MAPS

Property Location Map - 2
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Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	GV OCT/86
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 9 volumes	YES	GV OCT/86
4	Catalogue of Airborne Geophysical Surveys (ODM)		
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	GV OCT/86
6	ODM Industrial Mineral Reports	NO	GV OCT/86
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	GV OCT/86
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	YES	GV OCT/86
9	Newspaper Clippings File	YES	GV OCT/86
10	GSC Index to Publications		
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	GV OCT/86
12	OGS Index Maps	YES	GV OCT/86
13	Source Mineral Deposit Records (O.G.S.) and MDIR'S	YES	GV OCT/86
14	Author - Subject Articles File		
15	Miscellaneous Papers: ODM & OGS	YES	GV OCT/86
16	ODM Geological Circulars: OGS Study Series	NO	GV OCT/86
17	ODM Preliminary Reports: ODM Bulletins	YES	GV OCT/86
18	ODM – OGS Open File Reports	YES	GV OCT/86
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	GV OCT/86
20	OGS Aggregate Resources Inventory Papers	NO	GV OCT/86
21	OGS Mineral Potential Maps	YES	GV OCT/86
22	Theses on File, Kenora	YES	GV OCT/86
23	Aerial Photos on File, Kenora	YES	GV OCT/86
24	OBM Maps on File, Kenora	YES	GV OCT/86

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . .Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)

▲ fu. . . . . .Fuchsite
△ gn. . . . . .Galena
△ gt. . . . . .Garnet
△ goe. . . . . .Goethite
▲ Au . . . . . Gold
▲ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
▲ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . .Iron
▲ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
▲ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . .Marble
▲ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . .Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite

▲ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . .Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra . . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . .Shale
△ sid . . . . . Siderite
△ si . . . . . .Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod . . . . . Sodalite
△ spec . . . . . Specularite
▲ sp. . . . . .Sphalerite
△ spd . . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite

△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr. . . . . Zircon
▲bism. . . . . Bismuthinite
▲sulf. . . . . Sulfide minerals

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Baden Powell Mine (Northern Light Mines Company) (FM 168 Occurrence)	Au,py,hem Au/Ag (assay)	MDI KO470 NMI Au 2	MDC 16,p.7 MRC 13,p.178,179	OBM Vol. 10, p.96 OBM Vol. 13, pt.1, p.65 OBM Vol. 15, p.54 MP 128, p.23,24 3 NW striking qtz vns containing visible Au hosted by sheared granite. 2 shafts: Main shaft inclined to 140' depth. Second shaft to 50' depth. 1902-1905: 163 tons milled averaging 1.77 oz/t Au yielding 288 oz Au and 6 oz Ag.
B_1	Fornieri Occurrence (Erie Canadian Mines Ltd.)	Au,po,cp,py gf,bism?,mar? Au/Ag/Cu (assay)	MDI KO475 NMI Au 7	MDC 16, p.16 MRC 13, p.241	ODM Vol. 48, pt.4, p.21-22, Map 48d MP 128, p.24,29 OFR 5532 Vol. 2, p. E-3 Assess. files (52F/11 NE): I-1, Z-6, E-1 Ribbon qtz zones striking N-S to S50°E hosted by qtz porphyry assayed 0.19 oz/t Au across 12'. NE to E trending narrow, lenticular qtz vns follow fractures in qtz porphyry with best assay up to 1.54 oz/t over 3' in drag fold hinges (free gold). 106' drilling but no assays Extensive trenching.

GDI[illegible] FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
B_2	Fornieri Occurrence (Kamlo Gold Mines Ltd.)	po,cp,py Au/Ag/Cu (assay)		MDC 16,p.16	Assess. files (52F/11 NE): I-1, H-1, K-1. Trenched E-W shearing in rhyolite containing numerous qtz and qtz-carb stringers assayed up to 0.09 oz/t Au over 2.2'. 1194' drilling indicates low grade values (tr-0.04 oz/t Au, 0.432% Cu over 50').
B_3	Fornieri Occurrence	Au,po,cp,py Au/Ag (assay)			Assess. files (52F/11 NE): Z-6, V-1, K-2. Grab sample of mineralized 1' qtz vn from small trench in rhyolite tuff assayed 0.36 oz/t Au.
C_1	Frederick Occurrence (Frederick Mining & Development Co.)	Au (assay)	MDI K0424 SMDR 001542	MDC 16, p.17	ODM Vol. 48, pt.4, p.26, Map 48d. OFR 5332 Vol. 1, p.42. Assess. files (52F/11 NE): C-1 Shear zones in mafic volcanics assayed 0.04 oz/t Au. Shear zones may contain qtz vns/stringers.
C_2	Frederick Occurrence[1]	Au?			ODM Vol. 48, pt.4, p.26, Map 48d Assess. files (52F/11 NE): D-2
D	Unnamed[1]	Au?			ODM Vol. 48, p.26, Map 48d.

[1] See Notes and Addenda (Note A)

GDIF FORM NO.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
E	Harrison, J. Occurrence	py,cp,mc Au/Ag/Cu (assay)	MDI K0534		MP 128, p.25,29. Best assay of mineralized qtz vn grab samples yielded 0.22 oz/t Au, 0.46 oz/t Ag and 2.22% Cu.
F	Longe, R. Occurrence (North Twin Island Occurrence)	Au, cp Au (assay)	MDI K0342 SMDR 001478 NMI Au 11	MDC 16, p.25 MRC 13, p.241	OFR 5532 Vol. 1, p.42 Assess. files (52F/11 NE): W-1, V-1 2 grab & 4 chip samples of trenched mineralized qtz vn (1' wide by 50' exposed strike) assayed from trace to 2.38 oz/t averaging 0.66 oz/t Au.
G	Manhattan Occurrence	py,cp,mc,fu Au (assay)	MDI K0527		ODM Vol.48, pt.4, p.24, Map 48 d. OBM Vol. 10, p.95 MP 128, p.26 Best assays are 720 ppb Au from pyritic qtz vn material and 805 ppm Cu from the sheared gabbro host. Shaft/pit sunk on 6' qtz vn and sheared qtz stringers.
H	Unnamed[1]	Au			OGS Map P.1530, OGS Map P.1227 MP 110, p.201, (fig.5)
I	Unnamed[1]	sulf			ODM Vol.48, pt.4, p.26, Map 48d

[1]See Notes and Addenda (Note A)

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
J	Poplar Island Occurrence[1]	Au			Assess. file (52F/11 NE): V-1 Visible Au reported from qtz-carb veinlets in fissible light colored schist. Low assay returns reported.
K_1	Smith, W.W. Prospect[2] (Magdalena Red Lake Gold Mines Ltd. - Main showing - Rock Island) (Birch Bay Gold Mines Ltd. - Island showing - No. 3a showing - No. 5 showing) (Hardrock Bay Occurrence) (Sulfide Island)	Au,IF,mar,po, cp,py,sp Au/Cu/Ni (assay)	MDI K0200 SMDR 001477 NMI Au 10	MDC 16, p.26 (Occ.#170) MRC 13, p.241 (Magdalena Occ.) MRC 12, p.190 (Magdalena Red Lake Gold Mines Ltd.) MRC 11, p.201 (Hardrock Bay Occ).	Leaming, S.F., M.A. Thesis p.23-30 OFR 5332, Vol.2, p.E-7 ODM Vol.48, pt.4, p.22-23 MP 128, p.27,28 Assess. files (52F/11 NE): K-1,K-2,K-3,Y-1,AA-1,AA-2,AA-3,V-1 E-W striking zone indicated by geophysics (100'-200' wide, 1000'-2500' long). Best Au assays are 0.145 oz/t over 60', 0.146 oz/t over 40' and 0.146 oz/t over 25' from channel sampling of mineralized shear/replacement zone in trenched mafic metavolcanics. 5250.6' drilling indicates low grade mineralization (nil-.27 oz/t Au; best intersection 0.1 oz/t Au over 40').

[1] See Notes and Addenda (Note A)

[2] See Notes and Addenda (Note B)

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
K_2	Smith, W.W. Occurrence[2] (Birch Bay Gold Mines Ltd. - No. 1 showing/vein) (Magdalena Red Lake Gold Mines Ltd. - No. 2 showing)	py,cp Au (assay)	MDI KO240 SMDR 001479 NMI Au 8	MDC 16, p.37 (Occ.#271)	Leaming, S.F.,M.A. Thesis, p.31-33 ODM Vol.48, pt.4, p.22-23 Assess. files (52F/11 NE): K-2, V-1 Assays include 0.25 oz/t Au over 4' across a chert band in mafic volcanics and .2 oz/t Au over 1.3' across mafic volc.-porphyry contact. Surface sampling also yielded 0.74 oz/t Au over 17" for 135'.
K_3	Smith, W.W. Occurrence[2] (Birch Bay Gold Mines Ltd. - No. 2 showing/vein) (Magdalena Red Lake Gold Mines Ltd. - No. 3 showing)	py,po,cp,sp, IF Au (assay)	MDI KO240 SMDR 001479 NMI Au 8	MDC 16,p.37 (Occ.#271)	Leaming, S.F., M.A. Thesis, p.33-35 ODM Vol. 48, pt.4, p.22-23 Assess. file (52F/11 NE): Y-1 Surface sampling yielded 0.03oz/t Au over 24" for 56'. 3.74.5' drilling: 0.5" pyritic qtz vn in "hybrid diorite" yielded 0.08 oz/t Au over 2'. Trenching in mafic and acid volcanics, IF, and feldspar porphyry.

[1] See Notes and Addenda (Note A)

[2] See Notes and Addenda (Note B)

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS		
GEO-ANALYSIS LTD.	1981	The Identification of Structural Linears From Landsat Imagery In Northwestern Ontario. Energy, Mines and Resources Canada, Earth Physics Branch, Seismological Service of Canada.	OF 82-12 (Image 3025, Map 2)	1:250,000
O.D.M. - G.S.C.	1962	Eagle Lake, Sheet 52P/11. Aeromagnetic Series.	Geophysics Paper 1162G	1" to 1 mile (1:63,360)
O.G.S. - G.S.C.	1977	Airborne Gama-Ray Spectrometry Survey, Dryden Sheet, Districts of Kenora and Rainy River. Geophysical Series.	Prelim. Maps P.1460 to P.1466	1" to 4 miles (1:253,440)
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Roed, M. A.	1980	Blue Lake Area, District of Kenora, Northern Ontario Engineering Geology Terrain Study. Accompanied by Map 5058.	NOEGTS 21	1:100,000
Zoltai, S. C.	1965	Surficial Geology, Kenora-Rainy River. Ontario Dept. of Lands and Forests.	Map S165	1" to 8 miles (1:506,880)
		MINERAL POTENTIAL MAPS		
Springer, J.S., Robertson, J.A., Vos, M.A.	1982	Mineral Potential Map of Ontario, West-central sheet (accompanied by 1 overlay) Dryden Sheet, Districts of Kenora and Rainy River, Mineral Deposits Series.	OFR 5326	1" to 16 mi (1:1 013 760
Springer, J.S.	1978		OGS Map P.1530	1:250 000
Robertson, J.A., Vos, M.A., and Springer, J.S.	1976	Mineral Potential Map of Ontario, 1976; West-central sheet, Mineral Deposits Series.	ODM Map P.1098	1" to 16 mi (1:1 013 76

GDIF FORM NO.

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
55	Wright, R. J.	TT-2	Jan./77	350°	-50°	21.0	378.0	po, py	Cu, Pb, Zn, Ni, Ag, Au

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
K_4	Smith, W.W. Occurrence[2] (Birch Bay Gold Mines Ltd. - No. 7 / Main showing) (Magdalena Red Lake Gold Mines Ltd. - No. 4 showing)	Au,po,cp,mar, sp Au/Ag/Cu/Ni (assay)	MDI K0240 SMDR 001479 NMI Au 8	MDC 16, p.37 (Occ.#271) MRC 13, p.241 (Smith W.W. Occ.) MRC 12, p.190 (Birch Bay Gold Mines Ltd.)	Leaming S.F., M.A. Thesis, p.35-37 ODM Vol.48, pt.4, p.22-23 OFR 5332, Vol. 1, p.42 Assess. files (52F/11 NE): Y-1, Z-6 1" qtz stringers with free gold along their margins cut a narrow qtz porphyry dike. 1082.5' drilling produced erratic values (up to 1.46 oz/t Au over 5').
L	Smith, B.R. Occurrence[1]	Au (assay)			Assess. file (52F/11 NE): T-1 10' wide qtz vn assayed 0.29 oz/t Au. Qtz stringers in a 40' wide porphyry dike assayed 0.26 oz/t Au
M	Swanson Occurrence (Morningstar Mine) (H. Hawes Property) (The Tromsoe)	Au, py Au (assay)	MDI K0244 SMDR 001362 NMI Au 9	MDC 16, p.39 MRC 13, p.241	MP 128, p.27,29 OFR 5332, Vol.2, p. E-10 ODM Vol. 34, pt.1, p.76 Assess. files (52F/11 NE): L-1, CC-1, R-1 Shaft sunk to 57' on 10"-2' wide trenched qtz vn in sheared chloritized mafic volcanics. Qtz vn reported to assay about 1.0 oz/t Au. Other parallel qtz vns reported grab assays up to 3 oz/t Au. 400+ ft drilling reported free Au in qtz vn. Geophysics in 1983 (mag/EM).

[1] See Notes and Addenda (Note A)
[2] See Notes and Addenda (Note B)

GDIF FORM NO.

Buchan Bay

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
N	Eagle Lake Prospect	IF (mag). py	MDI K0210 NMI Fe 2	MRC 11, p.202	ODM Vol.48, pt.4, p.10, Map 48d Assess. files (52F/11 NE): P-1 1661' drilling in 3 holes by Steep-rock Iron Mines, 1955. Small surface exposure of IF.

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Birch Bay Gold Mines Ltd. 52F/11 NE Y-1				38	38														
2	Cominco Ltd. 52F/11 NE B-1											71	71							
3	Doak, Clifford 52F/11 NE C-1			69,70 71,73																
4	Finch, William 52F/11 NE D-1											71								
5	Finch, William 52F/11 NE D-2			71,72																
6	Fornieri Bay (report by R. Thomson, Res. Geol., 1947) 52F/11 NE V-1	47		47?		47?		47												
7	Freeport Canadian Exploration Co. 52F/11 NE F-1								70	70										
8	Greenstone Resources Ltd. 52F/11 NE BB-1											85	85							
9	Gulf Minerals Canada Ltd. 52F/11 NE X-1				78															

GDI FORM NO. ...

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
10	Hames, C.M. (Raleigh Minerals Ltd.) 52F/11 NE Z-1				82	82														
11	Hames, C.M. (Raleigh Minerals Ltd.) 52F/11 NE Z-2															81				
12	Hames, C.M. (Raleigh Minerals Ltd.) 52F/11 NE Z-3				83	83														
13	Hansen, E. 52F/11 NE G-1			69																
14	Kamlo Gold Mines Ltd. 52F/11 NE H-1				75	75														
15	Kamlo Gold Mines Ltd. 52F/11 NE H-2	73				73						73			73		73[1]			
16	Kamlo Gold Mines Ltd. 52F/11 NE H-3											74	74		74		74[1]			

[1] Not plotted on Data map. No interpretation available for resistivity survey.

GDII FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	COMPANY/AUTHOR (file number)																			
17	Kirkland Prospectors Claims (Erie Canadian Mines Ltd.) 52F/11 NE I-1	36		36		36														
18	Longe, R. (report by E. Chisholm, Res. Geol., 1949) 52F/11 NE W-1	49				49		49												
19	Magdalena Red Lake Gold Mines Ltd. 52F/11 NE K-1			47	49 51	47														
20	Magdalena Red Lake Gold Mines Ltd. 52F/11 NE K-2	48		48		48						47				48				
21	Morningstar (H. Hawes) (report by R. Thomson, Res. Geol., 1947) 52F/11 NE L-1			00?	47	00?	00	47												
22	Null, K. 52F/11 NE M-1			71																
23	Pollock, John (Jonpol Explorations Ltd.) 52F/11 NE DD-1								84/85	84/85										

GDD FORM NO.

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING. STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
24	Pollock, John (Jonpol Explorations Ltd.) 52F/11 NE DD-2	85				85														
25	Raleigh Minerals Ltd. 52F/11 NE Z-4															83				
26	Raleigh Resources Ltd. 52F/11 NE Z-5				85	85														
27	Raleigh Resources Ltd. 52F/11 NE Z-6	85																		
28	Selco Mining Corp. Ltd. 52F/11 NE N-1											72								
29	Selco Mining Corp. Ltd. 52F/11 NE N-2				73															
30	Smith, B.R. 52F/11 NE T-1					36/ 37		36 37 45												
31	Steeprock Iron Mines Ltd. 52F/11 NE P-1				55							55								

GDII FORM NO. .

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
32	Sukava, Aaron 52F/11 NE Q-1			69, 70, 71																
33	Sukava, Aaron (Sherritt Gordon Mines Ltd.) 52F/11 NE Q-2								77	77										
34	Sukava, Aaron (Sherritt Gordon Mines Ltd.) 52F/11 NE Q-3											79	79[2]							
35	Sukava, Aaron (Sherritt Gordon Mines Ltd.) 52F/11 NE Q-4				79															
36	Tasu Resources Ltd. 52F/11 NE AA-1											82	82							
37	Tasu Resources Ltd. 52F/11 NE AA-2				84	84														
38	Tasu Resources Ltd. 52F/11 NE AA-3				83	83														
	[2]Not plotted on Data map. No HEM bedrock conductors.																			

GDD FORM NO. 7

Buchan Bay

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
39	Union Miniere Expl. & Mining Corp. Ltd. 52F/11 NE S-1				72															
40	Whymark, W. & O'Donnell, J.F. (Atikwa Resources Inc.) 52F/11 NE CC-1											83	83							
41	Wright, R.J. 52F/11 NE U-1				77	77														

GDP FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
1	Birch Bay Gold Mines Ltd.	1[1]	Feb./38	S30.5°E	-45°	14.0	176.0	?	
1	Birch Bay Gold Mines Ltd.	2	Feb./38	S30.5°E	-45°	53.0	198.5	py, po	Au
2	Birch Bay Gold Mines Ltd.	3	Feb./38	S40°E	-45°	29.7	184.5	po, py, cp	Au
2	Birch Bay Gold Mines Ltd.	4	Feb./38	S40°E	-43°	55.5	236.6	po, py, cp	Au
2	Birch Bay Gold Mines Ltd.	5	Feb./38	S40°E	-48°	27.5	210.0	po, py, cp	Au
3	Birch Bay Gold Mines Ltd.	6	Feb./38	S30°E	-45°	17.0	310.0	po, cp, py	Au
4	Birch Bay Gold Mines Ltd.	7	Feb./38	N80°E	-45°	9.5	200.5	po, py, cp	Au
4	Birch Bay Gold Mines Ltd.	8	Feb./38	N80°E	-45°	18.2	253.0	po, cp	Au
4	Birch Bay Gold Mines Ltd.	9	Feb./38	N80°E	-45°	11.0	175.0	po, cp	Au
5	Gulf Minerals Canada Ltd.	78-D-1	Mar./78	155°	-60°	76.0	313.0	po,py,cp,sp	
6	Gulf Minerals Canada Ltd.	78-D-2	Mar./78	155°	-60°	52.0	345.0	po,py,gf,cp,sp	
7	Gulf Minerals Canada Ltd.	78-F-1	Feb./78	155°	-60°	114.0	375.0	po,py,gf,cp,sp	
8	Gulf Minerals Canada Ltd.	78-G-1	Mar./78	162°	-60°	66.0	402.0	po,py,gf,cp,sp	
9	Hames, C.M. (Raleigh Minerals Ltd.)	R-82-1	Jan. - Feb./82	N	-45°	12.0	259.0	po, py	Au, Ag
10	Hames, C.M. (Raleigh Minerals Ltd.)	R-82-2	Feb./82	N	-45°	4.0	245.0	py, po	Au, Ag

[1] Drill log #1 not available.

GDIF FORM NO. 1

Buchan Bay

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
11	Hames, C.M. (Raleigh Minerals Ltd.)	R-82-3	Feb./82	S25°W	-45°	6.0	257.0	py, po, cp	Au, Ag, Cu
12	Hames, C.M. (Raleigh Minerals Ltd.)	R-82-4	Feb./82	S15°W	-45°	14.0	247.0	py, po, cp, gn	Au, Ag, Cu
13	Hames, C.M. (Raleigh Minerals Ltd.)	R-82-5	Feb./82	S40°W	-45°	10.0	106.0	py	no samples
14	Hames, C.M. (Raleigh Minerals Ltd.)	R-83-6	July/83	S	-45°	5.4	253.0	po, py, cp, gf	Au,Ag,Cu,Ni
15	Hames, C.M. (Raleigh Minerals Ltd.)	R-83-7	July/83	N50°E	-55°	5.0	201.0	py, po, cp, gf	Au, Ag
16	Hames, C.M. (Raleigh Minerals Ltd.)	R-83-8	July/83	N	-45°	9.0	200.0	py, po, cp	Au
17	Hames, C.M. (Raleigh Minerals Ltd.)	R-83-9A	July-Aug/83	S65°W	-45°	15.0	55.0	py, po	Au
17	Hames, C.M. (Raleigh Minerals Ltd.)	R-83-9B	Aug./83	S65°W	-45°	31.3	105.0	py, po, cp, gf	Au
18	Hames, C.M. (Raleigh Minerals Ltd.)	R-83-10	Aug./83	N65°E	-45°	17.2	348.0	py, po, cp	Au, Ag
19	Hames, C.M. (Raleigh Minerals Ltd.)	R-83-11	Aug./83	N65°E	-45°	14.0	338.0	py, po, cp	Au, Ag

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
20	Hawes, H.	1[2]	early/47	S	-40°	?	172.0	visible Au in qtz vn	
20	Hawes, H. (Pioneer Gold Mines)	3?[2]	late/47	S	?	?	approx.100.0	3' wide qtz vn	
20	Hawes, H. (Pioneer Gold Mines)	4?[2]	late/47	S	?	?	approx.100.0	sulphide zone	
21	Hawes, H.	2[2]	early/47	N	-45°	?	?	qtz vn	
22	Kamlo Gold Mines Ltd.	K-1	Mar./75	N	-45°	11.0	250.0	py, po, cp	no samples
22	Kamlo Gold Mines Ltd.	K-2	Apr./75	N	-45°	17.5	251.0	py, cp, po	Au, Ag, Cu
22	Kamlo Gold Mines Ltd.	K-6	May/75	N	-60°	12.0	152.0	py, po, cp	Cu, Ag
22	Kamlo Gold Mines Ltd.	K-7	June/75	N	-50°	12.0	154.0	py, po, cp	no samples
23	Kamlo Gold Mines Ltd.	K-3	Apr./75	S	-45°	6.0	152.0	py, po	no samples
23	Kamlo Gold Mines Ltd.	K-4	Apr./75	S	-45°	11.0	33.0	py	no samples
24	Kamlo Gold Mines Ltd.	K-5	Apr./75	N	-45°	10.5	71.0	py	no samples
25	Magdalena Red Lake Gold Mines Ltd.	49-1	Aug./49	N30°W	-45°	16.0	150.0	po, cp, py	

[2]Drill logs not available. Information from report by R. Thomson (Resident Geologist) 1947.

GDIF FORM NO. 3

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Report Volume	Part	Page
Listing:			

GDIF FORM NO. 8

Buchan Bay

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
26	Magdalena Red Lake Gold Mines Ltd.	49-2	Aug./49	N10°W	-45°	7.0	140.0	po, cp, py	
27	Magdalena Red Lake Gold Mines Ltd.	49-3	Aug./49	N63°E	-45°	6.7	277.0	po, cp, py	Au, Cu[3]
28	Magdalena Red Lake Gold Mines Ltd.	49-4	Aug./49	S65°W	-45°	4.9	503.2	po, py, cp	
None	Magdalena Red Lake Gold Mines Ltd.	49-6[4]	Sept./49	?	?	?	180.0+	po, cp	
29	Magdalena Red Lake Gold Mines Ltd.	49-5	Aug./49	N	-35°	3.5	301.0	po, cp, py	
29	Magdalena Red Lake Gold Mines Ltd.	51-1	Sept./51	N20°E	-52°	?	169.0	po, cp, py	
29	Magdalena Red Lake Gold Mines Ltd.	51-2	Sept./51	N25°W	-45°	?	182.0	po, cp	
30	Magdalena Red Lake Gold Mines Ltd.	51-3	Sept./51	N20°W	-30°	?	371.0	po, cp	
31	Magdalena Red Lake Gold Mines Ltd.	51-4	Sept./51	N36°W	-45°	?	405.0	po	

[3] Some assays (Au, Cu) reported from Northern Miner (Apr. 20, 1950, p.26).

[4] Drill Log 49-6 incomplete. Location unknown - therefore not plotted on Data map.

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft.)	Total Length of Hole (ft.)	Mineralization Noted in Log	Assay Data Included for
31	Magdalena Red Lake Gold Mines Ltd.	51-5[5]	Sept./51	N	-45°	?	250.0+	none	
32	Raleigh Resources Ltd.	R-85-12	May-June/85	N65°E	-47°	5.0	458.0	py, po, cp, gf	Au
33	Raleigh Resources Ltd.	R-85-13	June/85	N54°E	-51°	8.0	408.0	py, po. cp, gf	Au
34	Raleigh Resources Ltd.	R-85-14	June/85	N65°E	-49°	6.0	404.0	py, po	Au
35	Raleigh Resources Ltd.	R-85-15	June/85	N75°E	-49°	7.0	407.0	py, po, gf	Au
36	Raleigh Resources Ltd.	R-85-16	June/85	E	-50°	13.0	408.0	py, po	Au
37	Raleigh Resources Ltd.	R-85-17	June/85	N75°E	-50°	7.0	408.0	py,po,cp,gf	Au
38	Raleigh Resources Ltd.	R-85-18	June/85	N65°E	-51°	7.7	508.0	py, po, cp	Au
39	Selco Mining Corp. Ltd.	06013-73-1	Jan./73	090°	-45°	63.0	357.0	po, py, cp	
40	Steeprock Iron Mines Ltd.	1	July/55	N3°W	-45°	8.0	505.0	py	
41	Steeprock Iron Mines Ltd.	2	July/55	N	-45°	11.0	604.0	none	
42	Steeprock Iron Mines Ltd.	3	Aug./55	N17°W	-43°	7.0	552.0	py	
43	Steeprock Iron Mines Ltd.	4	?	S88°W	-36°	9.0	799.0	py, mag	

[5] Drill Log 51-5 incomplete.

GDIF FORM NO. 1

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (ft./m)	Total Length of Hole (ft./m)	Mineralization Noted in Log	Assay Data Included for
44	Sukava, Aaron (Sherritt Gordon Mines Ltd.)	MER-4	June/79	065°	-45°	12.0ft.	291.0ft.	po, py, mag	
45	Tasu Resources Ltd.	EL84-1	Feb./84	205°	-45°	8.4m	63.2m	po, cp, py	Au
45	Tasu Resources Ltd.	EL84-2	Feb./84	205°	-60°	11.1m	124.6m	po, cp	Au
46	Tasu Resources Ltd.	EL84-3	Feb./84	180°	-45°	10.0m	121.8m	po, cp, py	Au
47	Tasu Resources Ltd.	EL-1	July/83	180°	-45°	2.2m	150.0m	po, cp, py	Au
47	Tasu Resources Ltd.	EL-2	July-Aug/83	180°	-45°	3.0m	174.0m	po, py, cp	Au
48	Tasu Resources Ltd.	EL-3	Aug./83	180°	-45°	5.0m	166.2m	po, py, cp	Au
49	Tasu Resources Ltd.	EL-4	Aug./83	180°	-45°	5.1m	144.0m	po, py, cp	Au
49	Tasu Resources Ltd.	EL-5	Aug./83	180°	-45°	2.8m	171.0m	po, py, cp	Au
50	Tasu Resources Ltd.	EL-6[6]	?	180°	-45°	?	?	?	
51	Union Miniere Exploration and Mining Corp. Ltd.	MOR-1	Mar./72	SE	-50°	157.0ft.	500.0ft.	py	
52	Union Miniere Exploration and Mining Corp. Ltd.	MOR-2	Mar./72	S	-50°	42.0ft.	500.0ft.	mag, hem	
53	Union Miniere Exploration and Mining Corp. Ltd.	MOR-3	Mar./72	SE	-50°	162.0ft.	500.0ft.	IF, py	
54	Wright, R. J.	TT-1	Jan./77	140°	-50°	30.0ft.	278.0ft.	po, py, gf	Cu,Pb,Zn,Ni Ag,Au

[6]Drill Log EL-6 not available.

GDIF FORM NO.

Buchan Bay

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude (ft./m)	Flight Line Direction	Flight Line Spacing (ft./m)
33	By: Sherritt Gordon Mines Ltd. For: Sukava, A 52F/11 NE Q-2	Electromagnetic, Magnetic	400-450 ft.	E/W	660 ft.
23	By: Terraquest Ltd. For: Pollock, J. (Jonpol Explorations Ltd.) 52E/11 NE DD-1	VLF-Electromagnetic, Magnetic	100 m	N/S	100 m
7	By: Questor Surveys Ltd. For: Freeport Canadian Exploration Co. 52F/11 NE F-1	INPUT-Electromagnetic, Magnetic	400 ft.	343°	660 ft.

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
	No data available as of October, 1986			

GDIF FORM NO.

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
1[1]	Uranium - Lead (zircon)	trondhjemite	Davis et al, 1982	$2731.8^{+1.6}_{-1.3}$ Ma
2[1]	Uranium - Lead (zircon)	porphyritic dacite	Davis et al, 1982	$2742.8^{+1.4}_{-1.2}$ Ma

[1] Sample locations shown on Data map are approximate

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Kenora

Birch Bay Gold Mines Limited

Jonpol Explorations Limited

Magdalena Red Lake Gold Mines Limited

Manhattan Gold Mining Company

Northern Light Mines Company

Raleigh Minerals Limited / Raleigh Resources Limited

Rossman Company

Tasu Resources Limited

Buchan Bay

ODM GENERAL INDEX SEARCH

Words searched: Aubrey Township, Baden Powell Mine, Birch Bay Gold Mines Ltd., Buchan Bay, Eagle Lake, Erie Canadian Mines Ltd., Farabout Peninsula, Fornieri Bay/Occ., Froghead Bay, Frederick Occ., Hardrock Bay, Harrison, J. Occ., Hawes, H. Occ., Kamlo Gold Mines Ltd., Littleneck Bay, Longe, R. Occ., Magdalena Red Lake Mines Ltd., Manhattan Occ., Meridian Bay, Midway Point, Morningstar Mine, Northern Light Mines Co., North Twin Island, Outlet Bay, Poplar Island, Smith, B.R., Smith W. W. Occ., South Twin Island, Stanton Island, Swanson Occ., Temple Bay/Township.

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	1904	14	1	34
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	1906	16	1	59
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	Geological Sketch map, Eagle Lake area	21	1	188
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	Rocks on and near, Report of the Survey and Exploration of Northern Ontario			277
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GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
III	Morningstar, Gold Claim			
	Mineralization	48	4	21
	Northern Lights Mines Co.			
	Operators, Baden Powell gold mine	47	1	19
		49	1	22
	Poplar Island, Eagle Lake			
	Rocks	48	4	8,9,20
	South Twin Island, Eagle Lake			
	Granite near	48	4	15
	Stanton Island, Eagle Lake			
	Rocks	48	4	9.10
	Swanson Gold Claims, Aubrey Tp.			
	Test pits on	48	4	24
	Temple Bay, Eagle Lake			
	Rocks	48	4	4,11,19
	Temple Tp.			
	see map 48d accompanying Vol. 48, Pt.4	48	4	
IV	Baden Powell Gold Mine			
	Porduction (1902, 1905)	59	1	20
	Magdalena Red Lake Mines Ltd.			
	Incorporated	56	1	46
	Northern Lights Mines Co			
	Operators, Baden Powell gold mine	58	1	21
V	Baden-Powell Gold Mine			
	Production	64	1	22
VII	Baden-Powell Mine			
	Mining property, report on	MRC 13		178-179
	Eagle Lake			
	gold	MRC 13		178-179
	iron	MRC 11		201-202

Buchan Bay

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
VII	Hardrock Bay Occurrence			
	Iron	MRC 13		201
IX	Baden Powell Mine			
	Atikwa Lake area	MP 89		18
	Eagle Lake area	MDC 16		7
	Buchan Bay			
	Eagle Lake area	MP 89		21
	Eagle Lake	MP 89		5,6,24
	Dryden area	NOTS 21		4,5,11
	Fornieri Bay			
	Eagle Lake area	MP 89		21
	Fornieri Occurrence			
	Eagle Lake area	MDC 16		16
	Frederick Mining and Development Co.			
	Eagle Lake area	MDC 16		17
	Kamlo Gold Mines Ltd.			
	Eagle Lake area	MP 89		21
	Longe R. Occurrence			
	Eagle Lake area	MDC 16		25
	Magdalena Prospect			
	Eagle Lake area	MDC 16		26
	Meridian Bay			
	Eagle Lake area	MP 89		5,18,21
	Smith W.W. Occurrence			
	Eagle Lake area	MDC 16		37
	Swanson Occurrence			
	Aubrey Tp.	MDC 16		39

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL COMPILATION MAPS		
Beard, R. C., Garrett, G. L.	1976	Gold Deposits of the Kenora - Fort Frances Area, Districts of Kenora and Rainy River. Accompanied by Chart A.	MDC 16	1" to 4 miles (1:253,440)
Bell, R.	1881	Geological Map of the Lake of the Woods and Adjacent Country.	GSC Map No. 161	1" to 4 miles (1:253,440)
Blackburn, C. E.	1981	Kenora - Fort Frances, Kenora and Rainy River Districts. Geological Compilation Series.	OGS Map 2443	1" to 4 miles (1:253,440)
Davies, J. C.	1964	Manitou Lakes Sheet, Districts of Kenora and Rainy River. Geological Compilation Series.	OGS Map P. 242	1" to 2 miles (1:126,720)
Gordon, J. B.	1977	Gold Deposits of Ontario, West Central Sheet, Districts of Kenora (Patricia Portion), Thunder Bay, Algoma and Cochrane. Mineral Deposits Series.	OGS Map P. 1227	1" to 16 miles (1:1,013,760)
McInnes, W.	1902	Manitou Lake Sheet, District of Rainy River.	GSC Map No. 720	1" to 4 miles (1:253,440)
Meyn, H. D., Robertson, J. A.	1975	Iron Deposits of Ontario, West Central Sheet Districts of Kenora (Patricia Portion), Thunder Bay, Algoma, and Cochrane, Mineral Deposits Series.	OGS Map P. 1041	1" to 16 miles (1:1,013,760)
Tanton, T. L.	1939	Kenora Sheet, Ontario. Canada Department of Mines and Resources.	GSC Map No. 266-A	1" to 8 miles (1:506,880)

Buchan Bay

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Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Blackburn, C. E.	1977	Eagle Lake-Wabigoon Lake - Stormy Lake Area District of Kenora; in Summary of Field Work 1977 edited by V. G. Milne, O. L. White, R. B. Barlow, J. A. Robertson.	OGS MP 75	p. 40-43
Blackburn, C. E. Bond, W. D., Breaks, F. W., Davis, D. W., Edwards, G. R., Poulsen, K. H., Trowell, N. F., Wood, J.	1985	Evolution of Archean Volcanic - Sedimentary Sequences of the Western Wabigoon Subprovince and its Margins: A Review; in Evolution of Archean Supracrustal Sequences, GAC Special Paper 28, edited by L. D. Ayres, P. C. Thurston, K. D. Card, W. Weber.	GAC Special Paper 28	P. 89-116
Blackburn, C. E., Hailstone, M. R.	1984	Kenora Resident Geologist Area, Northwestern Region; in Report of Activities 1983, Regional and Resident Geologists, edited by C. R. Kustra.	OGS MP 117	p. 6
Blackburn, C. E., Hailstone, M. R.	1985	Kenora Resident Geologist Area, Northwestern Region; in Report of Activities 1984, Regional and Resident Geologists, edited by C. R. Kustra.	OGS MP122	p. 20,23
Blackburn, C. E., Hailstone, M. R. Parker, J., Storey, C. C.	1986	Kenora Resident Geologist Area, Northwestern Region; in Report of Activities 1985, Regional and Resident Geologists, edited by C. R. Kustra.	OGS MP 128	p. 23-30
Blackburn, C. E., Janes, D. A.	1983	Gold Deposits in Northwestern Ontario; in The Geology of Gold in Ontario, edited by A.C. Colvine.	OGS MP 110	p. 194-210
Carter, W.E.H.	1901	Mines of Northwestern Ontario: Part II; in Ontario Bureau of Mines Annual Report for 1901.	OBM Vol. 10	p. 95-96
Ferguson, S.A., Groen, H.A., Haynes, R.	1971	Gold Deposits of Ontario, Pt. 1, Districts of Algoma, Cochrane, Kenora, Rainy River & Thunder Bay.	MRC 13	p. 178-179, 241

Buchan Bay

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Davis, D. W., Blackburn, C. E., Krogh, T. E.	1982	Zircon U-Pb ages from the Wabigoon-Manitou Lakes Region, Wabigoon Subprovince, Northwestern Ontario, Canadian Journal of Earth Sciences.	CJES Vol. 19	p. 254-266
Goodwin, A. M.	1965	Preliminary Report on Volcanism and Mineralization in the Lake of the Woods - Manitou Lake - Wabigoon Region of Northwestern Ontario.	ODM PR 1965-2	1" to 4 miles (1:253,440) 63 p.
Goodwin, A. M.	1970	Archean Volcanic Studies in the Lake of the Woods - Manitou Lake - Wabigoon Region of Northwestern Ontario.	ODM OFR 5042	47 p.
Mackasey, W. O. Blackburn, C. E. Trowell, N. F.	1974	A Regional Approach to the Wabigoon - Quetico Belts and its Bearing on Exploration in Northwestern Ontario.	ODM MP 58	29 p.
Moorhouse, W. W.	1939	Geology of the Eagle Lake Area. Ontario Dept. Mines Annual Report for 1939 Accompanied by Map 48d.	ODM Vol. 48 Part 4	1" to 1 mile (1:63,360) 31 p.
Neilson, J. N., Bray, R. C. E.	1981	Feasibility of Small Scale Gold Mining in Nor hwestern Ontario (partr of the Districts of Kenora, Rainy River and Thunder Bay).	OFR 5332 Vol. 1 Vol. 2	p. 40-42 p. E1-E10.
Parsons, A. L.	1911	Goldfields of Lake of the Woods, Manitou and Dryden in Ontario Bureau of Mines Annual Report for 1911.	OBM Vol. 20 Part 1	p. 194-197
Pettijohn, F. J.	1937	Early Precambrian Geology and Correlational Problems of the Northern Subprovince of the Lake Superior Region; Geological Society of America Bulletin.	GSA Bull. Vol 48	p. 153-202

GDIF FORM NO.9

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Trowell, N. F., Blackburn, C. E., Edwards, G. R.	1980	Preliminary Synthesis of theSavant Lake - Crow Lake metavolcanic - metasedimentary belt, Northwestern Ontario, and its bearing upon Mineral Exploration. Accompanied by Chart A.	OGS MP 89	p. 5, 6, 18, 21, 24
Ziehlke, D. V.	1975	Eagle - Wabigoon - Dinorwic - Manitou Lakes Volcanic Belt in Centre for Precambrian Studies, University of Manitoba, Annual Report - 1975, Part 2 - Research.	Centre for Precambrian Studies 1975 Annual Report	p. 35 - 48
		THESES		
Bartlett, James Rodney	1978	Metamorphic Trends in the Metasedimentary Rocks North of Eagle Lake, Ontario; B.Sc. Thesis, University of Western Ontario.		73 p.
Birk, W. Dieter	1978	The Nature and Timing of Granitoid Plutonism in the Wabigoon Volcanic - Plutonic Belt, Northwestern Ontario; Ph.D. Thesis, McMaster University.		402 p.
Duke, C. E.	1950	Investigation of the Radioactive Distribution and Alkali Content of the Froghead Bay Stock, Eagle Lake area; B.A.Sc. Thesis, University of Toronto. Not available.		
Foland, Sara S.	1982	Geochemistry, Geochronology and Origin of an Archean Greenstone - Granite Terrain, Wabigoon Subprovince, Northwestern Ontario; M.Sc. Thesis, University of Montana.		166 p.
Gross, W. H.	1950	An Investigation of the Control of Gold Mineralization in Norhtwestern Ontario; Ph.D. Thesis University of Toronto.		106 p.

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Leaming, Stanley F.	1948	Gold Deposits on Eagle Lake; M. A. Thesis, University of Toronto.		48 p.
Davies, J. C.	1966	The Petrology and Geochemistry of Basic Intrusive Rocks, Kakagi Lake - Wabigoon Lake Area, District of Kenora, Ontario; Ph.D. Thesis, University of Manitoba.		164 p.

NOTES AND ADDENDA

AERIAL PHOTOGRAPH INDEX

	ROLL	LINE	PHOTO NUMBER
1982 (Scale 1" to ¼ mile)			
	25	4926	57 - 70
	31	4927	62 - 75
	32	4928	141 - 155
	32	4929	15 - 27
	04	4930	117 - 127
	27	4930	152 - 157
	11	4931	114 - 125
1965 (1" to ¼ mile) Poor quality index map - often illegible.			
	17?	4926	97 - 109
	55	4926	1 - 3
	66	4927	109 - 110
	?	4927	? - 112
	17?	4927	210 - 222
	68-59?	4927	111 - 116
	67	4927	115? - 116
	33	4928	38 - 50?
	48	4928	1 - 3
	29	4929	239 - 251
	19	4930	196 - 209
	14	4931	54 - 66
1949 (1" to ¼ mile)			
	22	4930	169 - 175*
	23	4931	47 - 51*
	23	4932	166 - 175*
	23	4933	228 - 231*
	24	4934	162 - 164*
1952 (1" to 1 mile)			
	A21200		38 - 42*
	A13560		81 - 82*
	A21200		79 - 83*
	A21506		89 - 93*

* Photographs on file in Resident Geologist's Office, Kenora.

GDIF FORM NO.10

NOTES AND ADDENDA

ONTARIO BASE MAP SERIES
(Scale 1:20,000)

20	15	4800	54900+
20	15	4800	55000+
20	15	4800	55100+
20	15	4900	54900+
20	15	4900	55000+
20	15	4900	55100+

+ Published maps currently available.

NOTES

A Map 48d (Moorhouse, 1939) shows "prospect" and "sulfide mineralization" symbols which the accompanying report suggests have potential for gold (C_2, D and I). Some "occurrences" were also determined by map references only or by other unconfirmed information (H, J and L). These "occurrences" are plotted on the data map with smaller triangle symbols indicating uncertain significance.

B Confusion exists in the literature with respect to location and naming of the W.W. Smith occurrences. K_2, in particular, and perhaps K_3 appear to have been initial discovery locations by Smith. K_4 was indicated as the "main showing" by Moorhouse (1939). Geological and assay information should be considered carefully to determine accurate source locations. After work by Magdalena Red Lake Gold Mines Ltd. (1947/49/51), K_1 has often been called the Magdalena prospect/occurrence.

NOTES AND ADDENDA

MINERAL DEPOSITS FILE

Note: A deposits file is maintained at the Kenora Resident Geologist's Office, which contains the published data on the following mineral deposits:

1. Baden Powell Mine (FM 168 Occurrence)
2. Fornieri Prospect
3. Frederick Occurrence
4. Harrison, J. Occurrence
5. Longe, R. Occurrence (North Twin Island Occurrence)
6. Manhattan Occurrence
7. Smith, W. W. Prospect (Magdalena Prospect)
8. Swanson Occurrence (Morningstar Occurrence)

MAPS
NOT
FILMED

CARTES
OMISES